International Marine Engineering

VOLUME XIV.

JANUARY TO DECEMBER, 1909

PUBLISHED BY

MARINE ENGINEERING

INCORPORATED

17 BATTERY PLACE, NEW YORK, U. S. A.

31 CHRISTOPHER STREET, FINSBURY SQUARE, LONDON, E. C.

Generated on 2024-09-12 07:34 GMT / https://hdl.handle.net/2027/mdp.39015080009809
Public Domain, Google-digitized / http://www.hathitrust.org/access_use#pd-google

Digitized by Google

Original from
UNIVERSITY OF MICHIGAN

INDEX.

NOTE.—Illustrated articles are marked with an (*) asterisk.

ARTICLES.

	PAGE
Acetylene buoy lighting, Canadian Government's unfortunate experience with.	*318
Adaptability of producer gas for marine work. Shackleton	*75
Akers Mekaniske Verksted, Shipbuilding and Engineering Company of	*245
Alexandra, suction cutter discharging dredge for India	*189
Almy boilers, instructions for operating.	448
Anchors. Bulkley	96
Application of internal combustion engines for marine propulsion, some considerations on. Anstey	213
Araguaya, Royal Mail steamship	*138
Armor clads, first seagoing	*352
Armored cruiser Ernest Renan. Peltier	*149
Armored cruiser Ibuki, trials of	389
Austrian submarines. Perkins	*398
Babcock & Wilcox boiler, operation of	446
Battleship Condorcet	*381
Battleship Delaware, launch of	*115
Battleshop Delaware, United States	*465
Battleship Diderot	*381
Battleship North Dakota, turbines for	*184
Battleship North Dakota, United States.	*465
Battleship Roma. Attilio	*423
Battleship Roma, launch of. Attilio	*113
Battleship, latest in the United States	*371
Battleships, monster. Koon	*166
Bearings, thrust and journal	152
Benjamin Noble, new lake steamer	*397
Boiler, Babcock & Wilcox, notes on	446
Boiler, Cockran, donkey, how to get the best efficiency from	455
Boiler, Dürr, instructions for the working and management of	439
Boiler, how to treat a Scotch to obtain the best results. McAllister	437
Boiler, Inglis, notes on	447
Boiler, proper methods of operating and caring for Yarrow	435
Boiler, Roberts, care and handling of a	455
Boilers, Almy, instructions for operating.	448
Boilers, gunboat. Linch	*93
Boilers, Mosher, operation and care of	453
Boilers, naval, in service. Dinger	*177
Boilers, Niclausse, special points to be observed in the upkeep of	449
Boilers, Seabury watertube, regarding the operation of	449
Boilers, Taylor watertube, handling of	447
Boilers, Thornycroft, various types of	463
Bossing, effect of upon resistance. Sadler	*137
Bridge walls, broken bottles for. Olcott.	306
British torpedo boat destroyer Mohawk	*140
Building a harbor. Holder	*135
Butterfly, motor launch	*153
Car ferries of the Danish Government	*123
Carnegie, magnetic survey yacht	*34, 47
Cincinnati, steamship	*311
Clermont, first practical steamboat	*329
Cleveland, Hamburg-American steamer	*85
Cochran donkey boiler, how to get the best efficiency from	455
Collision between Republic and Florida	*77
Commonwealth, steamer	*10
Concrete boats. Kieffer	*287
Condorcet, French battleship	*381
Constance, Danish sloop, the oldest vessel in commission. Holm	*372
Contrary turning screws on a common axis, propulsion of ships by. Rota	*277
Cossack, speed trials of the destroyer	*256
Creole, regarding the turbine steamer	309
Curtis turbines for the North Dakota	*184
Danish car ferries. Holm	*123
Deck cargoes. Liddell	*22
Delaware, launch of	*115
Delaware, United States battleship	*465
Design of turning engines. Bragg	*400, 426
Destroyer Flusser, United States	*450
Destroyer Reid, United States	*450
Development of the sailing ship. Walker.	*332
Diderot, French battleship	*381
Dipper dredge, eight-yard, for Cuba	*164
Dockyards versus contractors	6
Dredge, combination dipper and clam-shell bucket. Eder	*299
Dredge, eight-yard dipper, for Cuba	*164
Dredge Peluse	*164
Dredge Sir Harry Bullard	*190
Dredger Alexandria	*189
Dredger Bates, electrically-driven hydraulic	*162
Dredger Fleetwood	*182
Dredger, Fruhling type	*193
Dredger Jinger	*191
Dredger La Plata	*277
Dredger Leviathan. Boyd	*173
Dredger Lord Desborough	*184
Dredger Mawhera	190
Dredger No. 1	*277
Dredger Northwestern	*221
Dredger Poe	*190
Dredger Shieldhill	*216
Dredger, suction	*191
Dredges, design of hulls for	162
Dredging equipment in the Himalaya Mountains	*169
Dredging machines, Kingston	*183
Drydock, 6,000-ton floating. Donnelly	*294
Dürr boiler, instructions for the working and management of	439
Dutch marine suction gas plants	*403, 442
Economy of turbines vs. combined reciprocating and turbine propulsion	396
Effect of bossing upon resistance. Sadler.	*137
Electricity, application of to the propulsion of naval vessels. Emmet	*469
Engine design, marine. Bragg	*7, 51, 89
English fleet, recent additions to	*1
Ernest Renan, French. Peltier	*149
Essayons, harbor tug	35
Ferries for Danish railways. Holm	*123
Ferry, Miss Vandenberg	*307
Ferry boat Finneston No. 1	*29
Ferry boats for Kiel harbor	*143
Finneston No. 1, a unique ferry boat	*29
Fire boats, centrifugal pump	35
First seagoing armor clads	*352
First steam screw propeller boat	*342
Fleetwood, bucket dredger	*182
Florida, repairs to	*188
Flusser, United States destroyer	*450
Foca, Italian submarine torpedo boat	*109
French armored cruiser Ernest Renan	*149
French battleship Condorcet	*381
French battleship Diderot	*381
Fruhling system of suction dredging	*193
Furnace repairs at sea	*234
Gas-propelled motor boat, Mianus	*195
George Washington	*273
Great Eastern	*361
Gunboat boilers. Linch	*93
Half Moon, the	*336
Hamburg-American Line steamer Cleveland	*85
Higher cylinder ratios, practical comparison of the advantages of. Root	*271
Heating of modern ocean liners	54
Hydraulic cutter dredges, design of hulls for. Percy	162
Hydraulic dredger, electrically driven	*161
Ibuki, trials of the Japanese armored cruiser	389
Indicator diagrams from a harbor tug	*405
Indicator, marine steam engine. Root,	*265, 305, 394, 445, 475
Inglis boiler, notes on	447
Internal-combustion engines for marine propulsion, some considerations on the application of. Anstey	213
Italian battleship Roma. Attilio	*423
Italian battleship Roma, launch of	*113
Italian submarine torpedo boat Foca	*109
Japanese armored cruiser Ibuki, trials of.	389
Japanese volunteer steamer Sakura Maru.	*203
Jinga, reclamation dredgers for Bombay.	*191
La Gloire of France	*352
La Plata, bucket dredger	*277
Lady Fraser, twin-screw ship	134
Lapland, Red Star Line steamship	*228
Leviathan, suction dredger. Boyd	*173
Lightened beam brackets, some experiments with. Anderson	*223, 257
Lloyd's Register of Shipping, annual report, 1908-1909	486
Longitudinally-framed ship. Taylor	*30
Lord Desborough, dredger	184
Lurline, Pacific liner. Bennett	*106
Lusitania, telephone equipment of	*33
Machinery and piping arangements on board ship. McColl	*431, 479
Marenging, motor boat	*110
Marine engine design. Bragg	*7, 51, 89
Marine engineering, advance in the early twentieth century. Maginnis	*365
Marine producer gas plant, a successful	312
Marine producer gas power. Straub	*208
Marine steam turbine reducing gear	399
Mary F. Scully, seagoing tug	*68
Mast and derrick mountings.	*230, 259, 298, 398
Mawhera, suction dredger for New Zealand	190
Measured mile trials	313
Melville, George Wallace	*238
Merchant vessels, fastest in the world	97
Michigan, car ferry, damaged by collision	*321
Minnewaska, Atlantic Transport Line steamship	*233
Miss Vandenberg, ferry	*307
Model towing basin, development and present status of the experimental. Everett	*35, 63, 98
Mohawk, torpedo-boat destroyer	*140
Monitoria, the. Haver	*477
Monster battleships. Koon	166
Morea, twin-screw mail steamer	*28
Mosher boilers, the operation and care of.	453
Motor boat Marenging	*110
Motor for launches and yachts, reversing.	*72
Motor launch Butterfly	*153
Motor launch, Thames	*153
Naval Architects and Marine Engineers, seventeenth annual meeting of	450
Naval boilers in service. Dinger	*177
Naval science topics, notes on. Liddell.	*22
Niclausse boilers, special points to be observed in the upkeep of	449
No. 1 bucket dredger	*277
North Dakota, United States battleship.	*465
Northwestern, grab hopper dredger	*221
Oil tank steamer Paul Paix. Taylor	*30
Oldest vessel in commission. Holm	*372

Generated on 2024-09-12 07:33 GMT / https://hdl.handle.net/2027/mdp.39015080009809
Public Domain, Google-digitized / http://www.hathitrust.org/access_use#pd-google
Digitized by Google
Original from UNIVERSITY OF MICHIGAN

PAGE

Otaki, new type of turbine steamer..... *71
Otway, steamer, New Orient liner..... 151
Paddle boats, pioneer, in Britain..... *338
Parsons marine steam turbine, practical experience with on the Ben-My-Chree.. *218
Parsons marine steam turbine, operation and management of as practiced on the U. S. S. Chester. Yates..... *390
Paul Paix, oil tank steamer. Taylor.... *80
Peik-i-Schevket, Turkish torpedo cruiser. *428
Peluse, bucket dredge *164
Pioneer, gas-driven launch *234
Piping and machinery arrangements on board ship. McColl *431, 479
Piping up a merchant vessel for steam heat. Dale 59
Po, suction and force-pump dredger *190
Polar motor, the marine. Andersson... *497
Princess Charlotte, twin-screw steamer.. *142
Producer gas boats, Dutch marine...*403, 442
Producer gas for marine work, adaptability of. Shackleton 75
Producer gas motor boat Marenging..... *110
Producer gas motor boat Mianus..... *195
Producer gas motor boat Pioneer..... *234
Producer gas plant, a successful marine.. 312
Producer gas power, marine. Straub.... *208
Propeller computations. Linch..... *260
Propeller design, simple method of. Linch *254
Propellers. Winterburn *105
Propulsion of ships by means of contrary turning screws on a common axis. Rota *277
Reid, United States destroyer..... *450
Reinforced concrete boats. Kieffer..... *287
Remodeling gasoline engines for producer gas. Smith 387
Repairs to the turbines of the U. S. scout cruiser Salem *228
Republic disaster *77
Resistance, effect of bossing upon. Sadler *137
Resistance of some full types of vessels... *319
Revenue Cutter Snohomish. McAllister. *146
Reversing engines, design of. *465
Reversing motor for launches and yachts. *72
Riveted joints of cylindrical boilers..... *129
Robert Fulton, Hudson River steamer... *269
Roberts boilers, care and handling of.... 455
Rock breaker, Lobnitz patent *168
Roma, Italian battleship. Attilio *423
Roma, Italian battleship, launch of..... *113
Sailing ship, development of the. Walker *332
Sailing ship, the American. Norton..... *23
Sakura Maru, Japanese volunteer steamer. *203
Salem, repairs to the turbines of the U. S. scout cruiser..... *228
Salvage job, a remarkable *408
Saturated steam, total heat of. Davis.... 151
Screw propeller boat, the first..... *342
Screw-propeller design, recent..... *19
Screw propeller, introduction commercially 365
Scotch boiler, how to treat in order to obtain the best results. McAllister.... 437
Seabury watertube boilers, regarding the operation of 449
Selected marine patents..*45, 83, 120, 159, 201, 244, 285, 328, 379, 422, 464, 506
Shafts, whirling of *147
Shieldhill, bucket dredger *216
Shipbuilding and Engineering Company of Akers Mekaniske Verksted *245
Shipbuilding, Scotch, in 1908. Taylor... 103
Ships, fastest in the world..... 97
Sir Harry Bullard, barge-loading and hopper dredge *190
Slips, building, for the White Star liners Olympic and Titanic *2
Snohomish, revenue cutter. McAllister.. *146
Society of Naval Architects and Marine Engineers, seventeenth annual meeting. 491
Steam-whistle troubles. Drazit *70
Steam turbines, Swiss, for ship propulsion and lighting. Perkins *114
Steamer Benjamin Noble..... *397
Steamer Clermont *329

PAGE

Steamer Cleveland, Hamburg-American.. *85
Steamer Commonwealth *10
Steamer Robert Fulton *269
Steamers, early war *348
Steamship Araguaya. Perkins..... *188
Steamship George Washington..... *278
Steamship Cincinnati *311
Steamship Lady Fraser 134
Steamship Lapland, Red Star Line..... *228
Steamship Lurline. Bennett..... *106
Steamship Minnewaska, Atlantic Transport Line *233
Steamship Morea, twin screw, mail..... *28
Steamer Otaki. Taylor *71
Steamship Otway 151
Steamship Paul Paix. Taylor..... *80
Steamship Princess Charlotte *142
Steamship Sakura Maru *203
Steamship Wauketa *222
Steamship Wilhelmina *482
Strength of knees and brackets on beams and stiffeners. Hunt *428
Submarine torpedo boat Foca..... *109
Submarines, Krupp, for the Austrian Navy. Perkins *398
Submersibles, new Swedish and Danish.. *473
Suction dredger, German *191
Suction-gas plants, Dutch marine....*403, 442
Suction of vessels, some model experiments on. Taylor *315
Superheated steam in marine work. Rowan *249, 290, 384
Taylor watertube boiler, handling of.... 447
Telephone equipment, Lusitania *33
Thames, motor launch *153
Thornycroft boilers, various types of.... 463
Thrust and journal bearings..... 152
Thrust-bearing problems, graphical solution of. Barrett *406
Torpedo boat, a new type. Maxim..... *92
Torpedo boat destroyer Mohawk..... *140
Torpedo cruiser Piek-i-Schevket..... *428
Torpedo, the automobile, of to-day..... *57
Total heat of saturated steam. Davis.... 151
Towing tanks, development and present status of. Everett *35, 63, 98
Tramp steamer, American..... *170
Trials of destroyer Cossack. Watts..... *256
Tug Mary F. Scully..... *68
Turbine reducing gear 399
Turbine steamer Creole, statement regarding 309
Turbine steamer Otaki. Taylor *71
Turbines, Curtis, for the North Dakota.. *184
Turbines for ship propulsion and lighting, Swiss. Perkins *114
Turbines, Parsons marine, operation and management of as practiced on U. S. S. Chester. Yates *390
Turbines, practical experience with Parsons type *218
Turbines vs. combined reciprocating and turbine propulsion, economy of..... 396
Turkish torpedo cruiser Piek-i-Schevket.. *428
Turning engines, design of. Bragg..*400, 426
United States battleship Delaware, launch of *115
United States battleship Delaware..... *465
United States battleships, latest..... *371
United States battleship North Dakota.. *465
United States battleship North Dakota, turbines for *184
United States destroyer Flusser *450
United States destroyer Reid..... *450
United States revenue cutter Snohomish. *146
Victory, Nelson's flagship. Pinhorne... *357
War steamers, early *348
Warrior of Great Britain *352
Warship development, recent. Taylor... *369
Warships, types of omitted in recent programmes of naval construction. Brassey *207
Watertight subdivision. Liddell..... 217
Wauketa, steamship *222
Western river steamboats..... *344
Whaleboat, 30-foot *309

PAGE

Whirling of shafts *147
Whistle troubles. Drazit *70
White, Sir William Henry *288
Wilhelmina, new steamship..... *482
Yarrow watertube boiler, proper methods of operating and caring for..... *435

BREAKDOWNS AT SEA.

Ballast donkey pump, breakdown of..... *302
Boiler corrosion 456
Breakdown of a reversing gear..... 457
Broken air-pump links *410
Broken check valve. Howe..... 303
Broken coupling bolts on a marine shaft. 265
Broken link gear rod..... *304
Broken slide-spindle block 264
Broken turning wheel. Brown..... *301
Chime whistle, steam and water test of... *488
Circulating valves. Starkweather..... 457
Circulator piston, repairing a broken.... *263
Cracked boiler head, repairing a..... *303
Crank-shaft of a triple-expansion engine, repairs to 414
Critical forty minutes. Stokes..... *410
Emergency man, the 487
Evaporator, use of in port..... 304
Feed pipe, temporary repair of..... *303
Fracture in propeller shafts..... *415
Fracture of a tail shaft..... 264
How to run an engine with a broken high-pressure slide rod..... 264
Intermediate shaft, repairing a. Chief.. *302
Machining a stern tube. Burns..... *412
Main steam pipe, trouble with..... 413
Method of closing a large sea valve in an emergency. McColl *412
Novel steamship repair..... 457
Overheated tunnel bearings 457
Propeller shafts, fractures in. Seager.. *415
Raising a sunken tug..... *488
Repairing a broken crank-shaft at sea... *487
Repairing a cracked boiler head..... *303
Repairing a broken circulator piston..... *263
Repairing a broken stern gland at sea.... *262
Repairing a broken thrust shaft. Curtiss. *410
Repairing an intermediate shaft. Chief.. *302
Repairing a broken turning wheel. Brown *301
Repairing broken air-pump links..... *410
Repairing the crank shaft of a triple-expansion engine 414
Repairs to a broken slide spindle block.. *264
Repairs to main engine under way..... *488
Repairs to sea cocks, etc. Halsey..... 414
Repairs to S. S. Stigstad..... *304
Reversing gear, breakdown of 457
Sea cocks, repairs to. Halsey 414
Sewer gas in boilers 457
Stern gland, repairing a broken..... *262
Stern tube, method of machining. Burns. *412
Strange noises in the cylinder of a marine engine *301
Tail shaft, fracture of *264
Temporary repair of a fractured feed pipe *303
Thrust shaft, repairing a broken. Curtis. *410
Trouble with frozen pipes. Speedwell... *413
Trouble with the main steam pipe. Starkweather 413
Unique experience 412
Use of the evaporator in port..... 304
Use of wood for breakdowns on board ship *263
Wood for breakdowns on board ship.... *263

COMMUNICATIONS.

Explosion on board the Foca. "B"..... 243
Fastest ships in the world. E. M. Dixon. 200
Government versus private work. Wright 119
Jet propulsion. Akimoff 81
Regarding producer-gas boats. Brakel.. 327
Regarding the Indomitable. Hall..... 243
Robinson's rotary cutters and suction apparatus. Robinson 258

21631 0

Generated on 2024-09-12 07:35 GMT / https://hdl.handle.net/2027/mdp.39015080009809
Public Domain, Google-digitized / http://www.hathitrust.org/access_use#pd-google
Digitized by Google
Original from UNIVERSITY OF MICHIGAN

EDITORIALS

	PAGE
A century's progress in steam navigation.	374
Advancement of naval architecture.....	154
An innovation	154
Boiler-room economy	458
Combined reciprocating and turbine machinery	417
Dredges	196
Electricity for the propulsion of ships...	500
Further scout cruiser trials.....	323
Gas-propelled motor boat.....	116
Government versus private work.....	40
Hudson-Fulton memorial issue	322
Indicators	323
Large ships and ocean travel	154
Loss of the Republic	79
Model towing tanks	41
Motor-boat show	116
Naval boilers	197
Notes on producer-gas operation.....	416
Outlook in shipbuilding.....	155
Possibility of gas propulsion.....	78
Practical results with marine producer gas plant	322
Problems relating to the resistance of ships	501
Revision of the United States laws relating to the safety of life at sea.....	117
Scout cruiser trials	237
Successful cruise	116
Standardizing shipbuilding materials....	236
Steam engine indicators for marine work.	416
Superheated steam	280
Towing tank for research work	236
Trade papers in Europe	41
What would you do?.....	280

ENGINEERING SPECIALTIES.

Air compressors. Dallett & Co.....	*156
Air pump, an improved type of marine. C. H. Wheeler Mfg. Co.....	*378
Bit for boring square holes, triangular. Radical Angular Drill Co.....	*80
Boilers, Blake patent. Blake Boiler, Wagon & Engineering Co.....	*461
Bolt forcer, patent hollow-ram hydraulic. Youngs	*42
Boltless improved boiler-furnace front. Economical Forced Draught & Engineering Co.	*240
Bronze, brass, aluminum and babbit metal for marine work. Vanadium Metals Co.	*462
Calibrating apparatus for gages. Watson-Stillman Co.	*502
Calipers. Starrett Co.	*285
Carpenter's scratch gage. L. S. Starrett.	*460
Check valve, bronze swing. Nelson.....	*198
Coaling device. Lidgerwood Mfg. Co...	*376
Coil clutch for marine reversing gear. Coil Clutch Co.	*325
Condenser, multi-jet eductor. Schutte & Koerting Co.	*240
Conveyers, portable electrical. Spence..	*43
Crude oil engine. Road & Rail Engineering, Ltd.	*502
Ejector, Lunkenheimer Co.....	*158
Engine, vertical, paraffin. Reavell & Co.	*284
Face-grinding machine. Emmert Mfg. Co.	*80
Fans, Sirocco. American Blower Co....	*198
Fillet or radius gage. L. S. Starrett Co.	*198
Furniture, cane, for ships. Harry D. Peach	*325
Grease extractor, feed-water. American Steam Gauge & Valve Mfg. Co.....	*241
Heat non-conducting material. Matthew Keenan & Co., Ltd.	*43
Hoist, electric. Scott & Co.....	*119
Indicator. American Steam Gauge & Valve Mfg. Co.	*504
Indicator. Casartelli & Son.....	*463
Indicator, McInnes-Dobbie	*420
Indicator. Star Brass Mfg. Co.....	*420
Indicator, Tabor. Ashcroft Mfg. Co.....	*462
Jet condenser. Wheeler Condenser & Engineering Co.	*461
Life preserver, A B C. Lane & DeGroot.	*42
Lock nut. Vickers & Maxim, Ltd.....	*504
Lubricating box for propeller tail-shafts. Cedervall & Söner	*325
Marine gasoline engines. Clifton Motor Works	*418
Marine ranges, steel plate. Hutchinson.	*377
Mechanical stoker, underfeed. Underfeed Stoker Co.	*157
Metallic packing, "Duval." Power Specialty Co.	*377
Models. Kelso Co.	*420
Oil cup, loose pulley. Lawson Mfg. Co.	*156
Oil cup, United States Metallic Packing.	*460
Overload detector for cranes, patent. Samuel Denison & Sons.....	*158
Pipe fitting, union-clutch. Sight Feed Oil Pump Co.	*43
Piston rings. Standard Piston Ring & Engineering Co.	*284
Planer, "Top Speed." Bateman's Machine Tool Co.	*42
Pump governor, excess. Foster Engineering Co. *242,	*199
Releasing device for lifeboats, "Wicks." David Kahnweiler's Sons.....	*376
Rotary cutters and suction apparatus. Robinson	*285
Searchlight, marine electric. Carlisle & Finch Co.	*461
Self-anchoring life-saving projectile. Myers-Rogers Projectile Co.....	*81
Sighting attachment for levels. Starrett.	*284
Steam turbine. Terry Steam Turbine Co.	*324
Steering engine, automatic. Bergsen....	*241
Steering engine. Century Engineering Co.	*419
Steering engine. Lidgerwood Mfg. Co..	*376
Stop valve, non-return boiler. Lunkenheimer Co.	*241
Straub two-cycle Scavenger Engine. Page Engineering Co.	*503
Taper gauge. L. S. Starrett Co.....	*460
Tool-makers' buttons. L. S. Starrett Co.	*460
Towing machines for dredging operations. American Ship Windlass Co.....	*118
Turbine planing machine. Geo. Richards & Co.	*118
Universal bevel protractor. Starrett Co.	*284
Universal plate, bar and angle shear. Covington Machine Co.	*418
Wrench, automatic. Webb & Hildreth	*157

PARAGRAPHS.

	PAGE
An error	91
Argentine battleships	136
Change of address of the Southeast Coast Institution of Engineers and Shipbuilders	230
Combination reciprocating engines and turbine-driven ships	402
Cunard steamship Lusitania	397
Decrease in American shipbuilding.....	415
Effect of increase of vacuum from 24 to 28 inches	67
Expenditure for round-the-world cruise..	217
First steamship to cross the Atlantic Ocean	343
Fulton exhibit, Engineering Societies building	421
Institution of Naval Architects, annual meeting	112
Japanese mercantile marine	279
Launch of the Sao Paulo	249
McGraw-Hill book department	327
Monaco race meet	218
National motor-boat show	383
Naval programme, United States, for 1909	59
Obituary 45, 120, 159,	327
Personals 82, 243,	304
Power developed from one pound of steam	67
Producer gas motor boat, results with....	262
Progress of naval vessels..42, 80, 118, 156, 198, 240, 282, 324, 421, 343, 460,	502
Reports of the Bureau of Navigation....	327
Secretary of the Navy Meyer.....	217
Shipbuilding in the United States.....74,	327
Spanish Navy, programme for reconstruction of	170
Steamship Savannah, first to cross the Atlantic Ocean	343
Steel single-screw steamer	188
Suction-gas tugboats on the Rhine.....	448
Summer meeting of Naval Architects' Society	258
Surprise, first successful hydroplane	35
Transatlantic records, Lusitania	397
Transatlantic record, Mauretania	113
Type of ferry	200
Ventilation by induced currents	27

TECHNICAL PUBLICATIONS.

	PAGE
Boys' Book of Steamships. Howden....	120
Bureau Veritas, 1908-1909.....	45
Compressed Air Work in Diving. Boycott	378
Design and Construction of Ships. Biles.	120
Directory of Shipowners and Marine Engineers, 1909	282
Economy Factor in Steam Power Plants.	200
Elementary Dynamo Design. Hird	44
Engineering Index Annual for 1908.....	242
Engine Lathe Work. Colvin.....	505
Erecting Work. Collins	45
Fighting Ships, 1909. Jane	421
Flag Sheet	243
Gas Engine. Jones	200
General Lectures on Electrical Engineering. Steinmetz	200
Girl and the Motor. Ward	83
Great Lakes and the Vessels that Plough Them. Curwood	327
History of New York Shipyards.....	379
Internal Combustion Engines. Wimperis.	243
Knocks and Kinks. Collins	44
Les Flottes de Combat en 1909.....	159
Logarithms for Beginners. Pickworth...	44
Machine Drawing and Design for Beginners. Spooner	282
Machine-Shop Calculations. Colvin.....	44
Machine Shop Drawing. Colvin.....	504
Marine Engineering. Somerscales	379
Marine Propellers. Barnaby	120
Marine Steam Turbine. Sothern.....	327
Mechanical World Electrical Pocket-book for 1909	45
Mechanical World Pocket Diary and Year Book for 1909.....	45
Notes and Drawings of a Four-Cylinder Petrol Engine. Spooner	158
Oil Motors. Lieckfield	199
Pipes and Piping. Collins	45
Pumps. Collins	82
Reed's Engineer's Hand-Book.....	326
Reed's Polyglot Guide to the Marine Engine	421
Resistance and Propulsion of Ships. Durand	242
Screw Propeller. Seaton	378
Shaft Governors. Collins	83
Slide Valve Motions for Marine Engineers. Youngson	504
Star Improved Steam Engine Indicator..	82
Steam Boilers. Peabody and Miller.....	82
Steam Power Plant Piping System.....	378
Steam Turbines. Collins 283,	421
Steam Turbines. Moyer	120
Story of the Submarine. Field.....	159
Suction-Gas Plants. Smith.....	159
Tables and Diagrams of the Thermal Properties of Saturated and Superheated Steam. Marks and Davis.....	327
Tables of Properties of Steam and Other Vapor and Temperature Entropy Table.	243
Textbook of Theoretical Naval Architecture. Attwood	158

Generated on 2024-09-12 07:34 GMT / https://hdl.handle.net/2027/mdp.39015080009809
Public Domain, Google-digitized / http://www.hathitrust.org/access_use#pd-google
Digitized by Google
Original from UNIVERSITY OF MICHIGAN